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AMENDMENT TO THE SPECIFICATON

At page 6, lines 3 – 19, please amend the specification as follows:

The glass-melting furnace 10 preferably includes two molten glass zones, a generally upstream melting zone 26 and a generally downstream fining zone 28. The melting zone 26 is considered the upstream zone of the glass-melting furnace 10 wherein the glass-forming material 30 is charged into the glass-melting furnace 10 using a charger or charging device 32. The charging device 32 may be of any type suitable for depositing glass-forming material 30 into the glass-melting furnace 10. The glass forming material 30 may be a mixture of raw materials typically used in the manufacture of glass, such as for example glass batch. It will be appreciated that the glass-forming material 30 make-up is dependent on the type of glass product (not shown) being produced. Normally, the material includes silica-containing materials including finely ground scrap glass commonly referred to as cullet. Other glass-forming materials including feldspar, limestone, dolomite, soda ash, potash, borax and alumina may also be used. To alter the properties of the glass product, a relatively minor amount of arsenic, antimony, sulfates, carbon and/or fluorides may also be added. It will be appreciated that the molten glass 25 generally freely flows in an unimpeded manner from the upstream end 6 of the glass-melting furnace 10 to the downstream end 8 of the glass-melting furnace 10, as indicated by the arrows 27. It will also be noted that the elongated channel 11 contains no obstructions to impede such flow of the molten glass.

At page 7, line 16 to page 8, line 2, please amend the specification as follows:

After the glass-forming material is melted by the flames 36 and by heat radiated from other parts of the furnace, the molten glass freely flows in an unimpeded manner from the melting zone 26 in the direction of directional arrow 27 to the fining zone 28. It

will also be noted that the elongated channel 11 contains no obstructions to impede such flow of the molten glass. The molten glass exits the furnace 10 through the furnace throat 29, or through a channel known as a waist in the flat glass industry, as indicated by the directional arrow 31. In a preferred embodiment for specific glasses, the fining zone 28 includes at least one downstream burner 38 mounted in the roof 22 of the glass melting furnace 10. The downstream burner 38 can be similar in design to the burners 34. Optionally, any one or more of the upstream burners 34 can be mounted at an angle of up to about 20 degrees to the vertical to maximize convective and radiative heat transfer to the glass forming batch material. Likewise, the downstream end burner 38 can be mounted at an angle of up to about 20 degrees to the vertical to minimize and/or control foam formation on the glass surface 23 when operating with certain types of glasses such as fiberglass.